FIG. 1

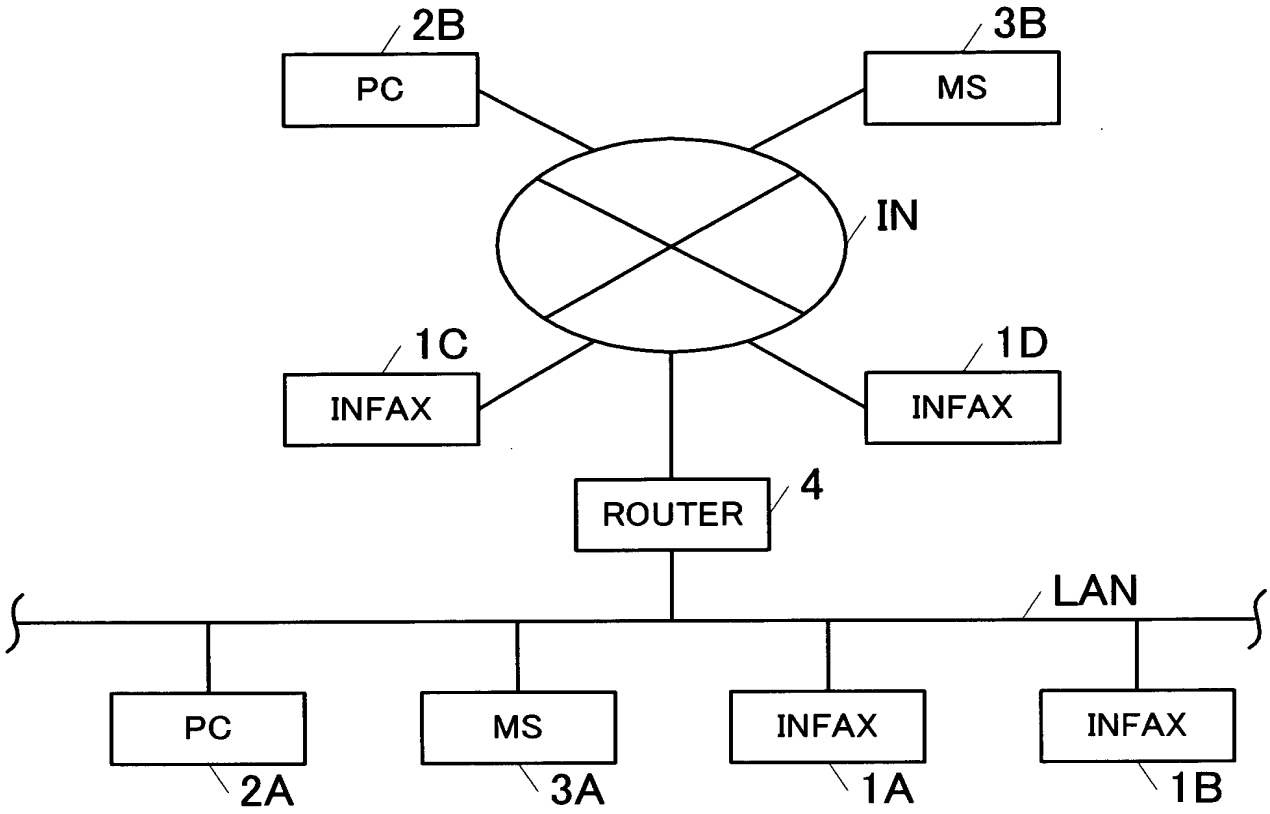

2B
PC
3B
MS
IN
1C
INFAX
1D
INFAX
ROUTER
4
LAN
PC
2A
MS
3A
INFAX
1A
INFAX
1B

FIG. 2

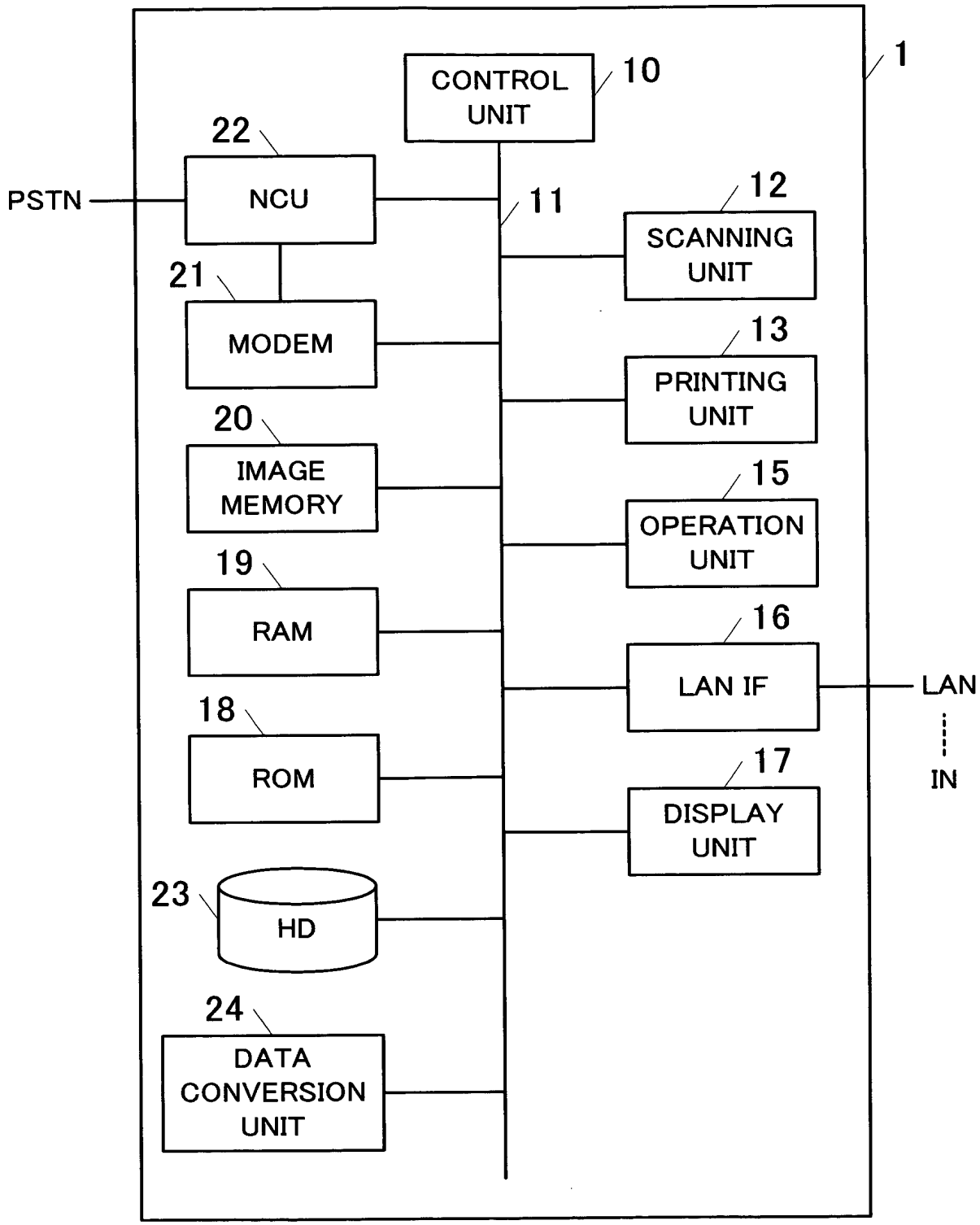

1
CONTROL UNIT
10
22
NCU
PSTN
11
12
SCANNING UNIT
21
MODEM
13
PRINTING UNIT
20
IMAGE MEMORY
15
OPERATION UNIT
19
RAM
16
LAN IF
LAN
IN
18
ROM
17
DISPLAY UNIT
23
HD
24
DATA CONVERSION UNIT

FIG. 3

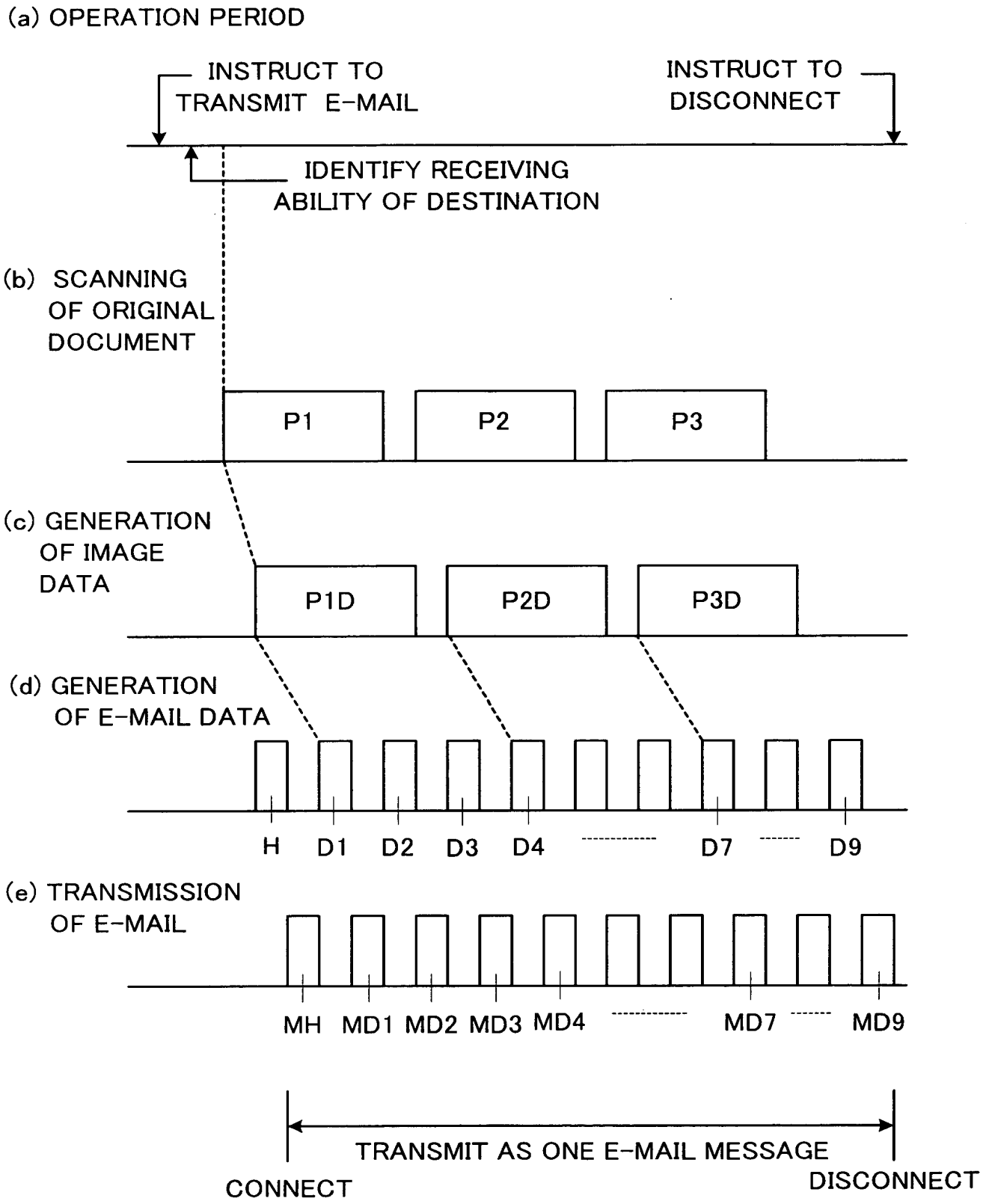

(a) OPERATION PERIOD
INSTRUCT TO TRANSMIT E-MAIL
INSTRUCT TO DISCONNECT
IDENTIFY RECEIVING ABILITY OF DESTINATION
(b) SCANNING OF ORIGINAL DOCUMENT
P1
P2
P3
(c) GENERATION OF IMAGE DATA
P1D
P2D
P3D
(d) GENERATION OF E-MAIL DATA
H
D1
D2
D3
D4
D7
D9
(e) TRANSMISSION OF E-MAIL
MH
MD1
MD2
MD3
MD4
MD7
MD9
TRANSMIT AS ONE E-MAIL MESSAGE
CONNECT
DISCONNECT

FIG. 4

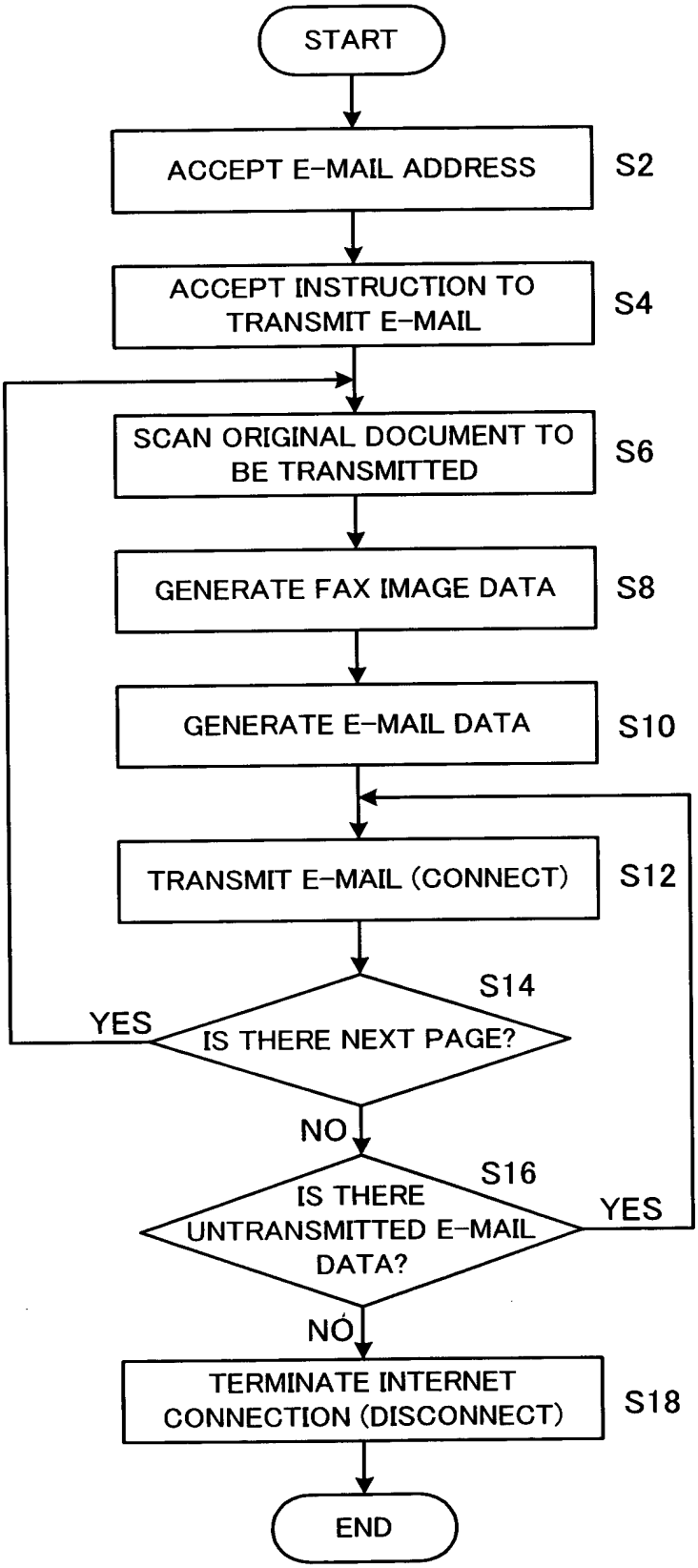
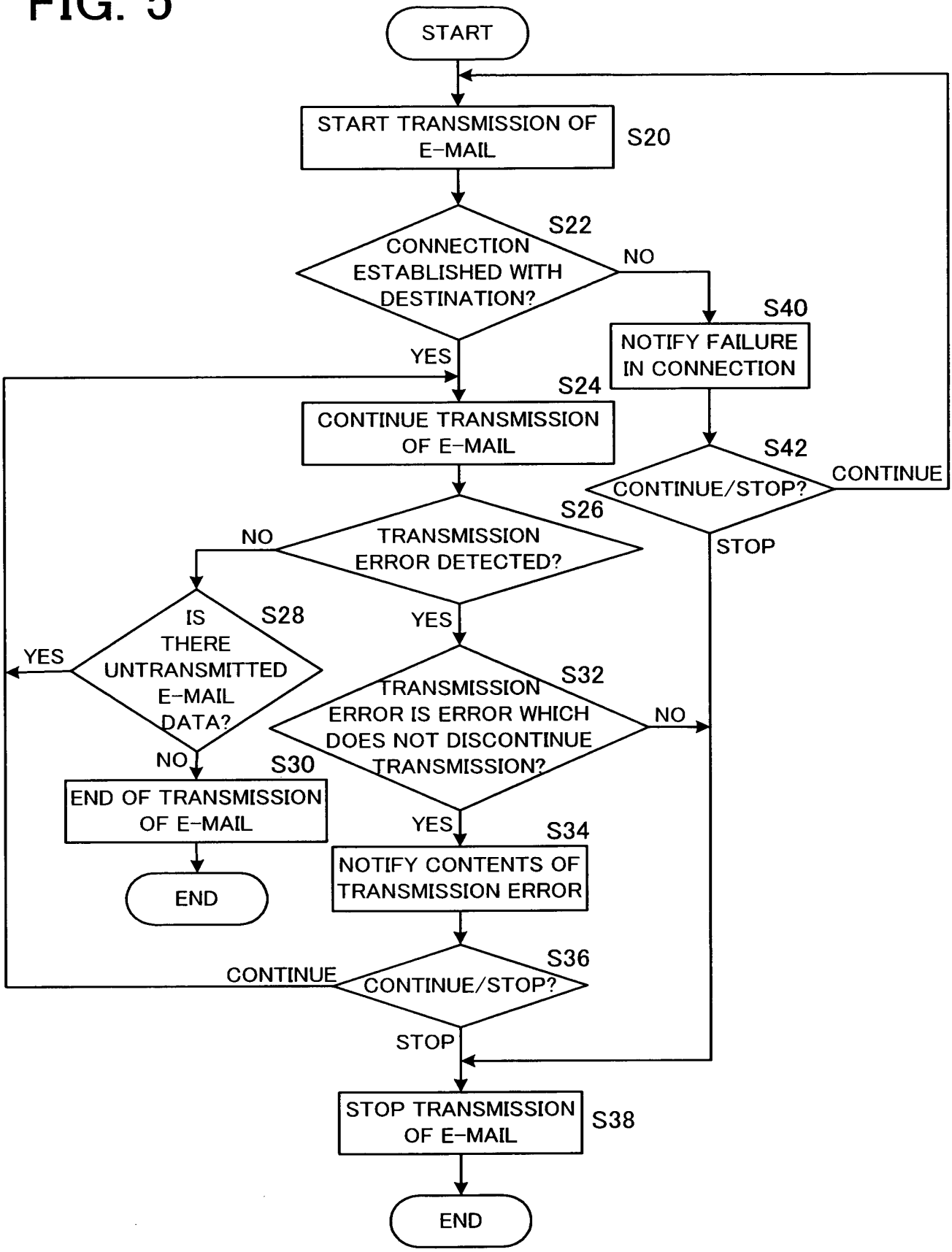

START
ACCEPT E-MAIL ADDRESS
S2
ACCEPT INSTRUCTION TO TRANSMIT E-MAIL
S4
SCAN ORIGINAL DOCUMENT TO BE TRANSMITTED
S6
GENERATE FAX IMAGE DATA
S8
GENERATE E-MAIL DATA
S10
TRANSMIT E-MAIL (CONNECT)
S12
S14
IS THERE NEXT PAGE?
YES
NO
S16
IS THERE UNTRANSMITTED E-MAIL DATA?
YES
NO
TERMINATE INTERNET CONNECTION (DISCONNECT)
S18
END

FIG. 5


START
START TRANSMISSION OF E-MAIL
S20
S22
CONNECTION ESTABLISHED WITH DESTINATION?
NO
S40
NOTIFY FAILURE IN CONNECTION
YES
S24
CONTINUE TRANSMISSION OF E-MAIL
S42
CONTINUE/STOP?
CONTINUE
S26
TRANSMISSION ERROR DETECTED?
NO
STOP
YES
S28
IS THERE UNTRANSMITTED E-MAIL DATA?
YES
S32
TRANSMISSION ERROR IS ERROR WHICH DOES NOT DISCONTINUE TRANSMISSION?
NO
NO
S30
END OF TRANSMISSION OF E-MAIL
YES
S34
NOTIFY CONTENTS OF TRANSMISSION ERROR
END
S36
CONTINUE
CONTINUE/STOP?
STOP
STOP TRANSMISSION OF E-MAIL
S38
END